

DC to DC Converters: Low Dropout Linear Voltage Regulators

MICROPOWER LINEAR VOLTAGE REGULATORS																			
	Input Voltage		Nominal Output Voltage		Iout	Iq @ Iout Max	Ignd Current @I max	Dropout Voltage @ Imax	LINE REG	LOAD REG	Output Noise w/Caps	Output Noise wo/Caps	Vreference		Vbatt Detect	Iout Sense	Vtemp Output	# Pins	Price 100's
	Min	Max	Volts	typ	mA	mA	mA	mV	mV/V	mV/mA	uVrms	uVrms	Min	Max					
SINGLE OUTPUT																			
+5V, or ADJUSTABLE +1.6 to +16V																			
ADM663	+2.	+16.5	+5.	5%	40	12		NS	0.35	7			+1.27	+1.33	No	Yes	Yes		\$1.54
ADM666	+2.	+16.5	+5.	5%	40	12		NS	0.35	7			+1.27	+1.33	Yes	No	No		\$1.82
ADP667	+3.5	+16.5	+5.	4%	200	20		250	0.25	0.5			+1.23	+1.28	Yes	No	No		\$2.28
ADM3367	+2.5	+16.5	+5.	5%	200	14	25	250	0.35	0.07			+1.23	+1.28	Yes	No	No		\$3.07
Single Output: Any Cap																			
ADP3300	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	50	1.7	1.2	170	0.02	0.06	30	100	na	na				6	\$1.15
ADP3308	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	1.7	1.7	170	0.02	0.06	30	100	na	na				6	\$1.15
ADP3307	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	1.7	1.2	170	0.02	0.06	30	100	na	na				5	\$1.15
ADP3309	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	1.7	2	170	0.02	0.06	30	100	na	na				5	\$1.15
ADP3301	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	200	2	1	200					na	na				8	\$1.15
ADP3303	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	100	8	5	400	0.03	0.04			na	na				8	\$1.15
ADP3306	3	12	2.7, 3, 3.2., 3.3., 5	0.8%	300	NS	5	600	0.03	0.04	30	100	na	na				8	
Dual Output: Any Cap																			
ADP3302	3	12	2.7, 5	0.8%	100	8	2	200	ns	ns			na	na	na	na	na	8	\$1.75
ADP3302-3/5	3	12	3, 5	0.8%	100	8	2	200	ns	ns			na	na	na	na	na	8	\$1.75
ADP3302-3.2/3.2	3	12	3.2, 3.2	0.8%	100	8	2	200	ns	ns			na	na	na	na	na	8	\$1.75
ADP3302-2.7/3.3	3	12	2.7, 3.2	0.8%	100	8	2	200	ns	ns			na	na	na	na	na	8	\$1.75
ADP3302-3.3/5	3	12	3.3, 5	0.8%	100	8	2	200	ns	ns			na	na	na	na	na	8	\$1.75
Selectable Output: +3V,or +5V or ADJUSTABLE +1.3 to +16V																			
Vset=low																			
ADM663A	+2.	+16.5	+5.	5%	100	12		100	0.35	7			+1.27	+1.33	No	Yes	Yes		\$1.76
Vset=high																			
ADM663A	+2.	+16.5	+3.3	5%	100	12		100	0.35	7			+1.27	+1.33	No	Yes	Yes		\$1.76
Vset=low																			
ADM666A	+2.	+16.5	+5.	5%	100	12		100	0.35	7			+1.27	+1.33	Yes	No	No		\$2.02
Vset=high																			
ADM666A	+2.	+16.5	+3.3	5%	100	12		100	0.35	7			+1.27	+1.33	Yes	No	No		\$2.02
Regulator Controller: AD3310 & AD3310A Require External Pass Transistor, NDP602P, AD3319 IRFR9014																			
ADP3310	2.5	16	Vin-1V +/-1%		1000	600	1			5									\$1.15
ADP3319	2.5	15	Vin-1V +/-1%		1000	800	1	1000		1mV/mA	NS	NS							